



October 20, 2016

Marlene H. Dortch  
Secretary  
Federal Communications Commission  
445 12th Street, SW  
Washington, DC 20510

Jeffrey A. Marks  
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**Re: *Notice of Ex Parte Presentation, Use of Spectrum Bands Above 24 GHz for Mobile Radio Services, GN Docket No.14-177; IB Docket No. 15-256; RM-11664, WT Docket No. 10-112; IB Docket No. 97-95***

Dear Ms. Dortch:

On October 18, 2016, Steve Majkowski, Dheena Moongilan, Prakash Moorut, Hernan Noguchi (all by telephone) and Jeffrey Marks of Nokia met with Commission staff listed below regarding the above-captioned proceedings. In the meeting, Nokia presented the results of two studies:

- (1) Measurements of Fixed Satellite Service (FSS) Earth Station Spillover Emissions to Evaluate Potential Interference Levels to Nearby 5G Systems Operating in the 28 GHz Frequency Band, whereby Nokia provides a sampling of measurements of Power Flux Density (PFD) from FSS earth stations at various distances and azimuth angles from the FSS sites that the Commission can use to compare with the PFD limit of  $-77.6 \text{ dBm/m}^2/\text{MHz}$  proposed in the 28 GHz rules.
- (2) Fixed Service-5G Coexistence at 70 GHz/80 GHz, whereby we studied coexistence of Fixed Links with 5G systems, including a technique of shutting down 5G beams which proved to be effective in mitigating 5G-into-Fixed Link interference while keeping the performance of the 5G system acceptable.

Both presentations are attached.

Please contact the undersigned with any questions in connection with this submission.

Respectfully submitted,

*/s/ Jeffrey A. Marks*

Jeffrey A. Marks

cc: Jose Albuquerque	Robert Nelson
Bahman Badipour*	Charles Oliver
Simon Banyai	Nicholas Oros
Charles Cooper	Barbara Pavon
Martin Doczkat	Matthew Pearl
Michael Ha	Brian Regan
Tim Hilfiger*	John Schauble
Dante Ibarra	Catherine Schroeder
Michael Mullinix	

*\*By Telephone*